

# **Portable Evaporative Air Cooler**

## **KT-30**

**Cooling & Comfortable**

**Energy-saving & Environment-friendly**

- | **Reliable quality**
- | **Larger airflow and wider cooling area**
- | **Excellent cooling efficiency**
- | **Full function of LCD control screen and remote controller**
- | **Automatic swing**
- | **3 types of wind brings more comfort**
- | **Negative ions to freshen air**
- | **Drawer style water tank with larger water storage**
- | **0.5 to 7.5 hours timer setting**
- | **Energy-saving, environment-friendly**
- | **Easy to use, easy to clean and maintain**





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## KT-30 TROUBLESHOOTING

Problem	Possible reason	Solution
Unable to start the fan	Power failure Loose PCB connection PCB damaged Fuse burned out	Check power supply Check PCB connection Replace PCB Replace fuse
Out of LCD control	Interfered by other power PCB fault	Turn off other power Replace PCB
Lower or no airflow	Fan damaged Cooling pad jammed Filter jammed Starting capacitor damaged PCB damaged Fan stuck	Replace fan Clean cooling pad Clean filter Replace capacitor Replace PCB Check fan and its housing
No cooling airflow	Water lack Cooling pad jammed Water pump damaged Water sensor damaged Water pipe drops off Water distributor jammed	Fill water into tank Clean cooling pad Replace water pump Replace water sensor Tighten water pipe Check water distributor
Grill does not swing	Swing motor damaged Swing motor crankshaft drops off	Replace swing motor Check swing motor crankshaft
Leak from drainage outlet	Loose drainage cap Rubber O-ring damaged	Tighten the cap Replace O-ring
Water splashes out of grill	Water pipe drops off	Tighten water pipe

**Note:** Please contact our service center or qualified technicians for further inspection if the malfunction is not listed above.

## **KT-30 CLEANING**

To ensure the air cooler deliver fresh and clean air, change the water, clean the filter and the cooling pad Regularly.

### **Cleaning the cooling pad.**

- 1- Remove plug from wall socket.
- 2- Take out cooling pad from air cooler by pulling upwards.
- 3- Clean it from inner-side to out-side with common city water.
- 4- Never use any detergent and high pressure water.
- 5- Make sure cooling pad dry before installation.

### **Cleaning dust filter**

- 1- Catch filter handle and pull upwards.
- 2- Clean it with mid detergent and soft brush.
- 3- Make sure filter dry before installation.

### **Clean water tank**

- 1- Pull out water tank from air cooler.
- 2- Clean it with mid detergent on a towel and then wash it in water.
- 3- Put water tank back after cleaning

### **Cleaning air cooler casing and inner parts**

- 1- Clean the casing with mild soap and soft clean cloth.
- 2- Never use chemical detergent, it maybe causes damage to the surface of air cooler.
- 3- Wash off dirt on the water sensor, water pump and float valve.

### **NOTE:**

Empty and dry water tank if air cooler is not used for long time.

## **KT-30 PREFACE**

Thank you for your choice of our portable evaporative air cooler KT-30.

This manual provides you with detailed information of evaporative air cooler KT-30, including technical data, product feature, operation instruction, cleaning, maintenance and troubleshooting, etc. Please read it carefully before operation.

We believe that cooling and fresh air of our portable evaporative air cooler KT-30 will give you comfort and health.

### **Package**

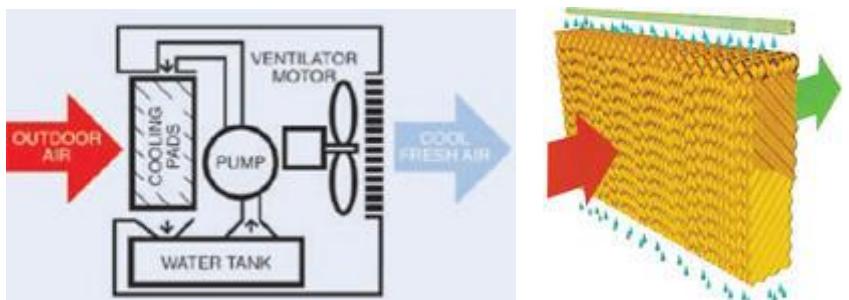
<u>Portable evaporative air cooler KT-30</u>	<u>1 PC</u>
<u>Remote controller</u>	<u>1 PC</u>
<u>User manual</u>	<u>1 PC</u>

## KT-30 BASIC PRINCIPLE

Have you ever wondered why you feel cooler by the sea? This is because the hot air is blown over water, causes some of the water evaporate and absorbs the heat. An evaporative air cooler works on the same basic principle.

When the fan runs inside the air cooler, evaporation is created. Fresh air is sucked into the air cooler through the wet cooling pad. As the hot air passes over the wet surface of cooling pad, the water evaporates into the air stream. This moist air absorbs the heat and therefore cools the air.

Evaporative air cooler is a high-tech product, originally from USA, now this type of product is used widely in many countries.



## KT-30 APPLICATION RANGE

- 1- Shopping mall, supermarket, school, company office, dormitory, family living room, public waiting room, workshop, temple, mosque, indoor/outdoor teahouse, coffee bar, restaurant, recreation facilities, etc.
- 2- Industrial fields such as weaving factories, woolen textile factories, silk factories, socks factories, knitwear factories, cotton spinning factories, flax textile factories, garment workshop, leather industries and shoes-making factories; etc.

## KT-30 LCD CONTROL PANEL



## KT-30 REMOTE CONTROLLER



## KT-30 OPERATION INSTRUCTION

**ON/OFF:** Press this key to make the air cooler ready for running. It will start up with medium ventilation speed in 3 seconds and back to work under the memorized status. Press this key again to switch off air cooler.

**COOL:** Press this key to start evaporative cooling function with low fan speed, Corresponding figure will display on LCD screen. Press it again to cancel the function.

**SPEED:** Press this key to choose desirable fan speed: Low→Medium→High.

**WIND:** Press this key to choose desirable wind mode: Natural→sleep→Normal. The corresponding figures will display on LCD screen.

- 1- Natural: It works as per the presented computer program, imitating the natural wind irregularly.
- 2- Sleep: It works as per the presented computer program, alternating among different fan speed.
  - A) If HIGH speed is selected, air cooler will work under high speed wind mode for half one hour, and then revert to under medium speed wind mode for half an hour, and finally revert to low speed wind mode.
  - B) If MEDIUM speed is selected, air cooler will work under medium speed wind mode for half one hour, and then revert to low speed wind mode.
  - C) If LOW speed is selected, air cooler will work under low speed wind mode.
- 3- Normal: It works as per the selected speed: Low→Medium→High.

**SWING:** Press this key to make louvers swing leftwards and rightwards.

**IONIZER:** Press this key to release negative ions. Press it again to cancel it.

**TIMER:** It can be set among 0.5 to 7.5 hours, increased by 0.5 hour at regular intervals. It is set to 7.5 hours when all of the 4 timer indicators are on. Press this key again to cancel this function

## KT-30 TECHNICAL SPECIFICATION

Model	KT-30
Max. airflow	3000 M <sup>3</sup> /H
Voltage/Frequency	220V/50HZ
Power	139W
Fan type	Centrifugal
Water consumption	3-4L/H
Water storage	30L
Dimension	520×390×1140MM
Net weight	20KG
Cooling capacity	20-30M <sup>2</sup>
Climate	T

## KT-30 FEATURE

- | Reliable quality
- | Larger airflow and wider cooling area
- | Excellent cooling efficiency
- | Full function LCD control screen and remote controller
- | Automatic swing
- | 3 types of wind brings more comfort
- | Negative ions to freshen air
- | Drawer style water tank with larger water storage
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## KT-15 WARNING INFORMATION

Please read the manual carefully before use

- 1- Do not open and repair air cooler by any unqualified person.
- 2- Place air cooler on solid horizontal surface.
- 3- Do not insert foreign objects into the grill during its operation.
- 4- Keep air cooler grill away from obstacles.
- 5- Do not cover the top of air cooler with other objects.
- 6- Keep the power cord away from sharp and hot objects.
- 7-The appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- 8-Children being supervised not to play with the appliance
- 9- Do not trample and over-stretch power cord, it may cause short circuits.
- 10-Take out batteries from remote controller if not in use for long time.
- 11- Keep the doors and windows a little opened to bring in fresh air from outside when air cooler is operating.
- 12-If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- 13-If air cooler can not operate properly or has malfunction, please contact distributor or dealer.

## KT-30 STRUCTURE



